

Serial No.: 09/517,680 Filed: 03/02/00  
Examiner: J. Ludlow Group Art Unit: 1743  
Applicant: Mark A. Burns  
Title: Thermal Microvalves  
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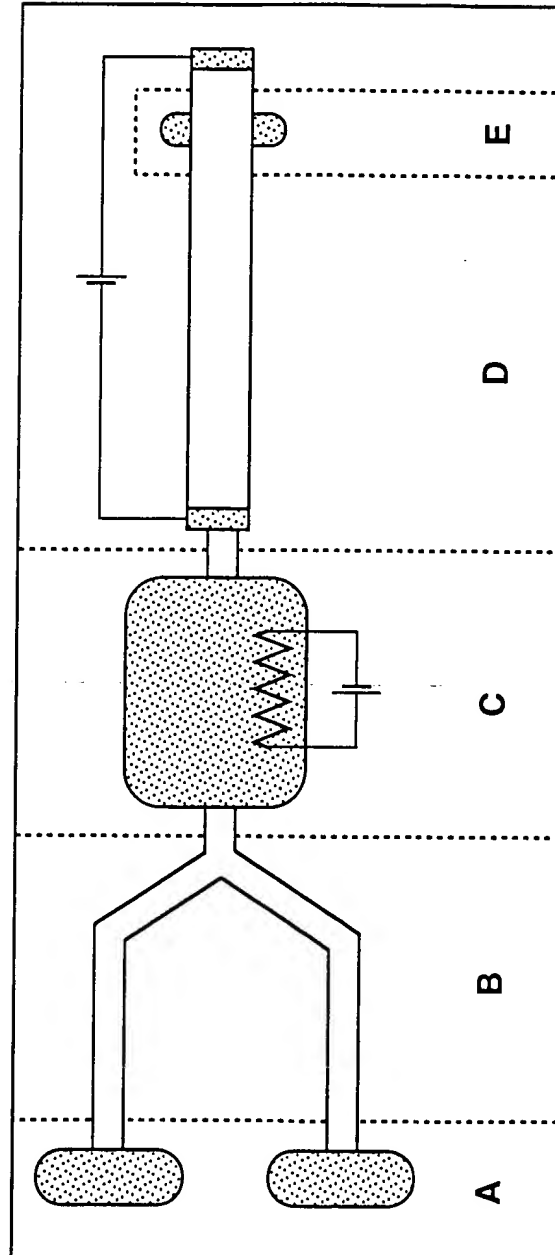
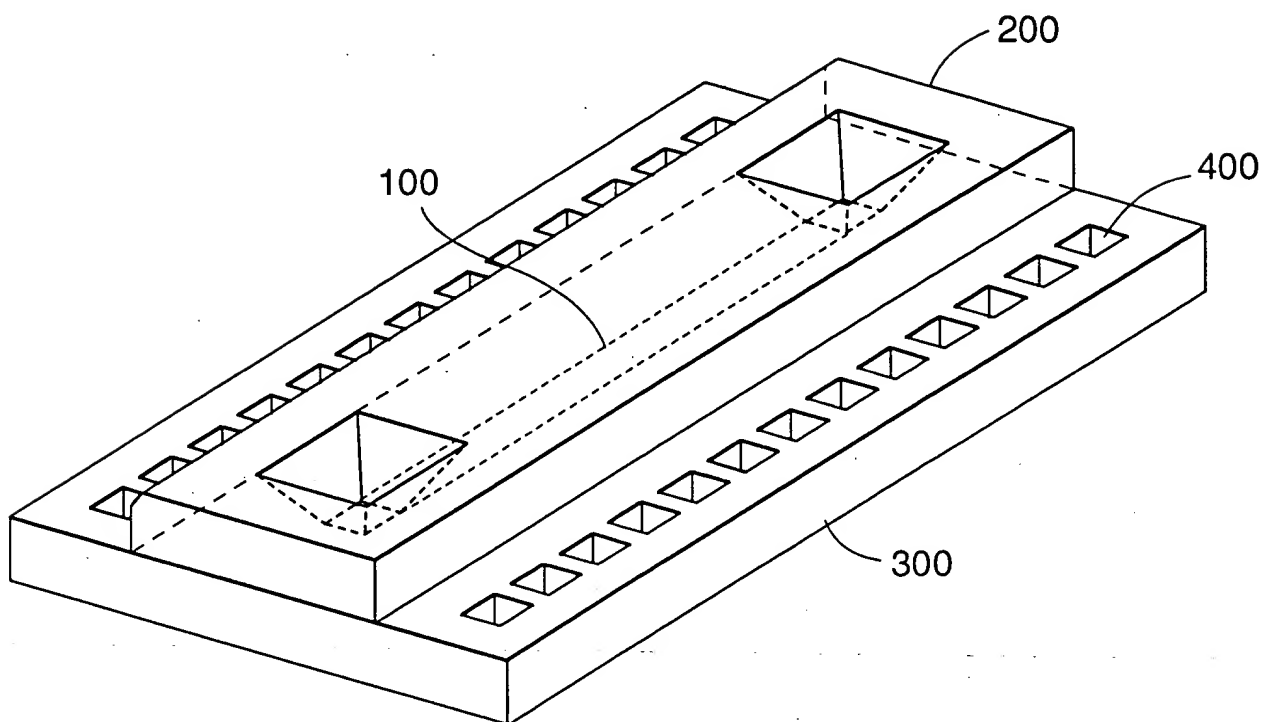


FIG. 1



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**FIG. 2**



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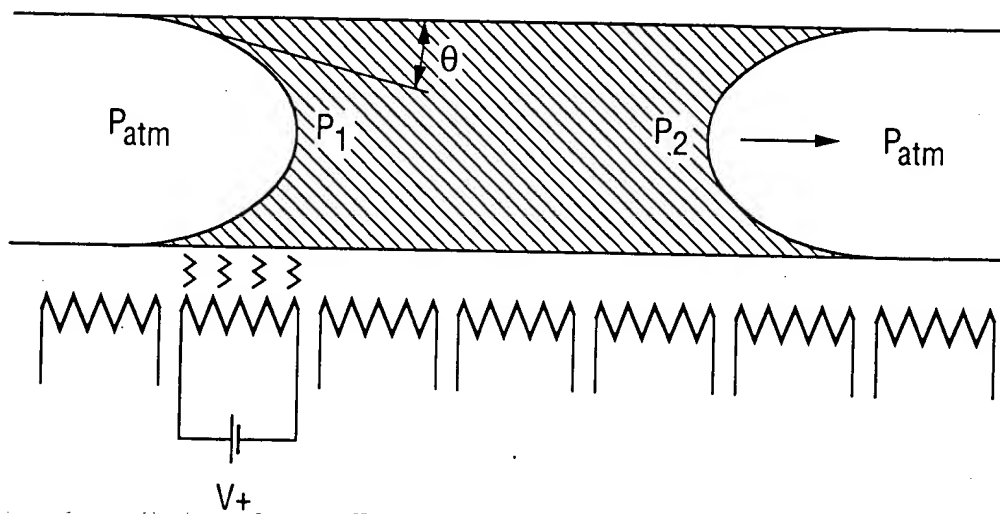


FIG. 3



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FIG. 4A

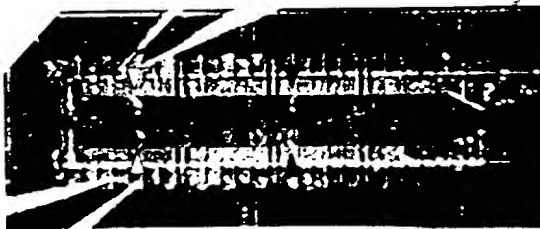


FIG. 4B

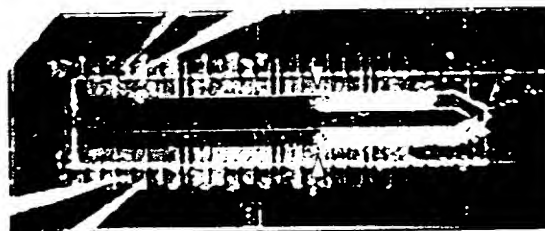


FIG. 4C

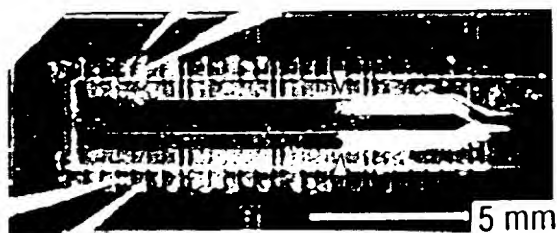
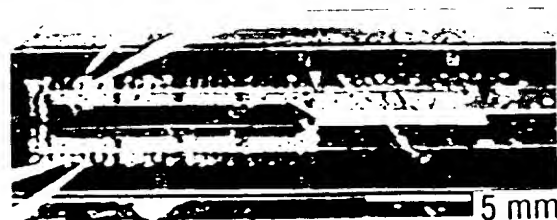


FIG. 4D



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FIG. 5A

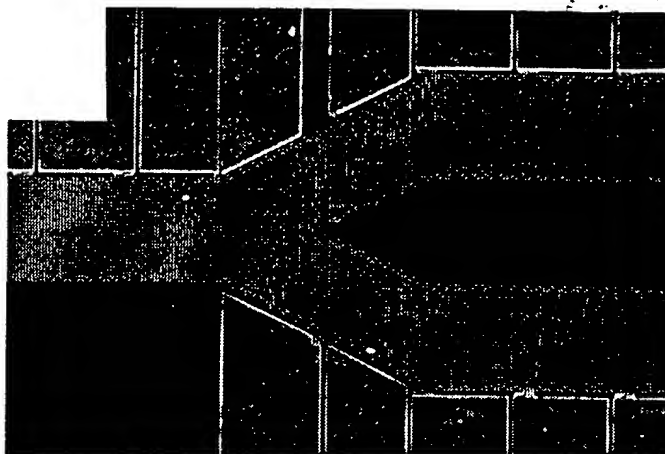


FIG. 5B

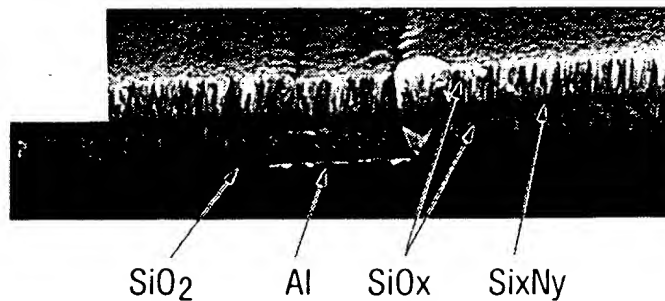
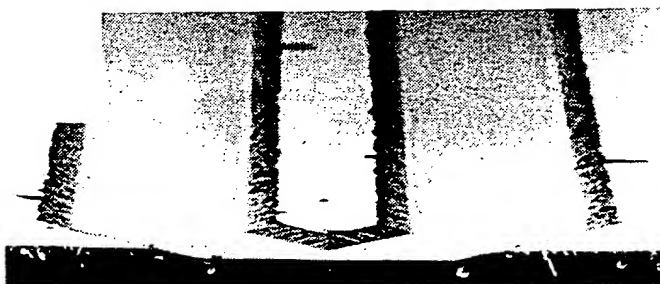


FIG. 5C



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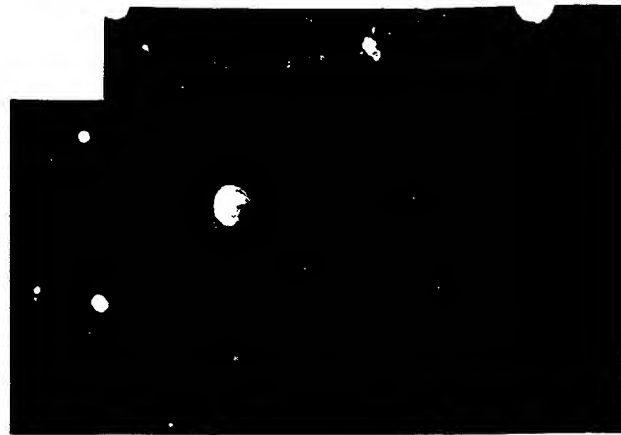


FIG. 6A

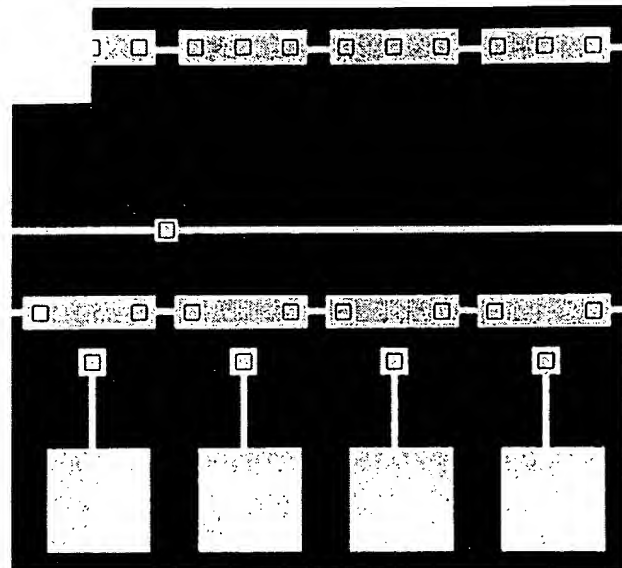


FIG. 6B

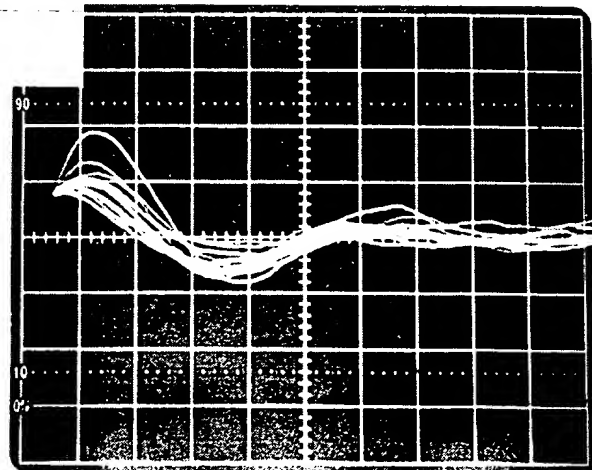


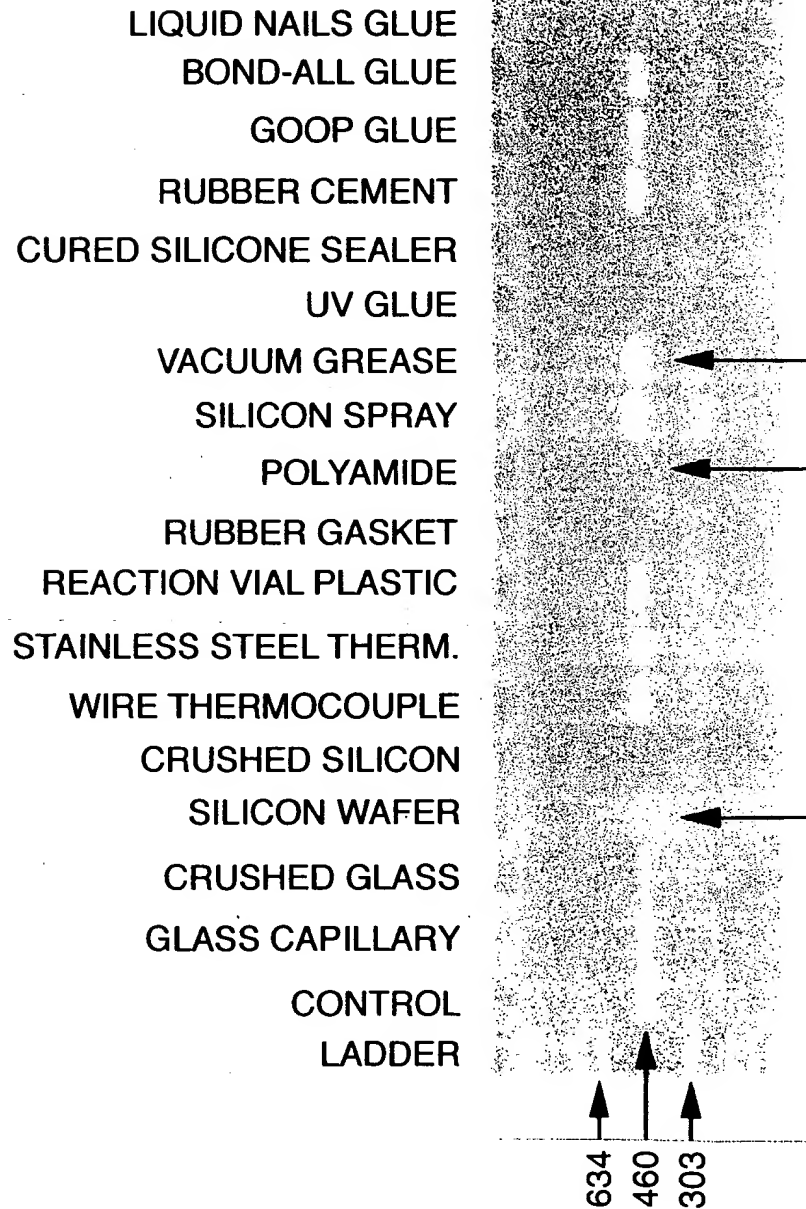
FIG. 6C

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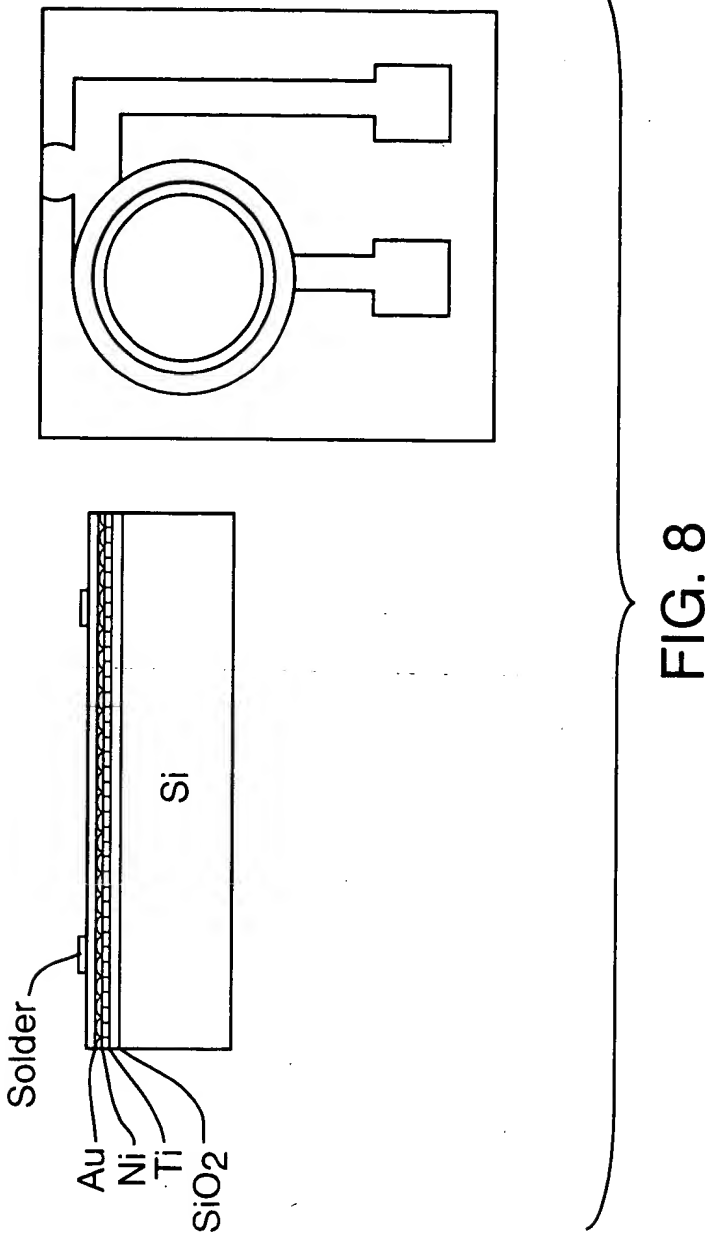
PCR RESULTS WITH STANDARD REAGENT AMOUNTS

FIG. 7

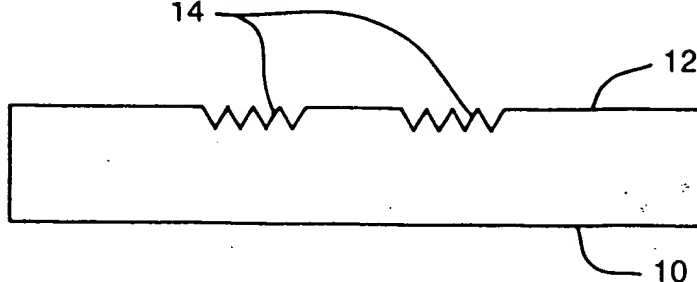


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FIG. 9A

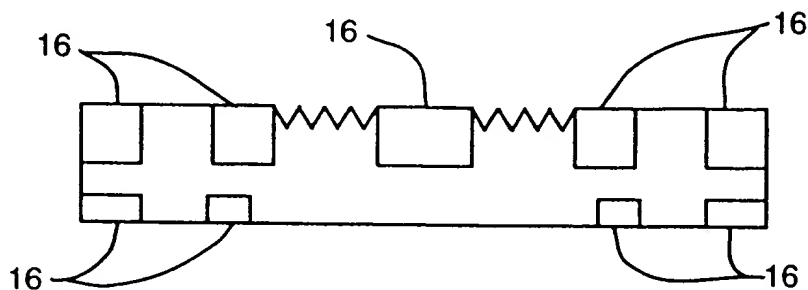


FIG. 9B

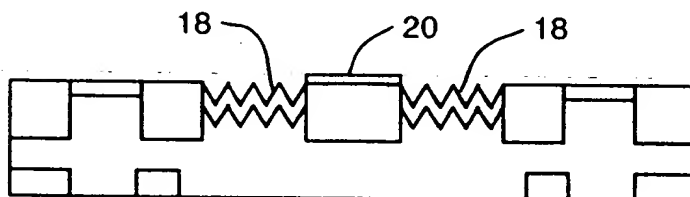


FIG. 9C

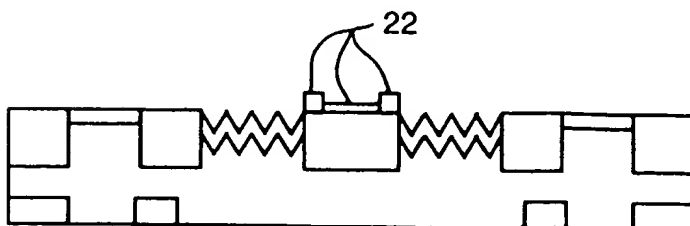


FIG. 9D

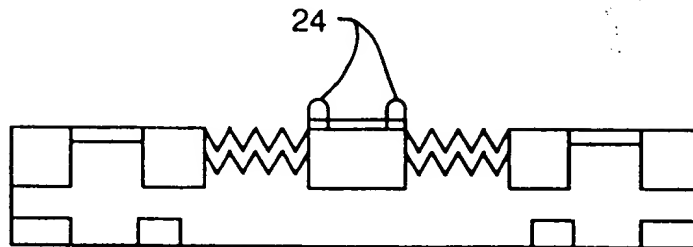


FIG. 9E

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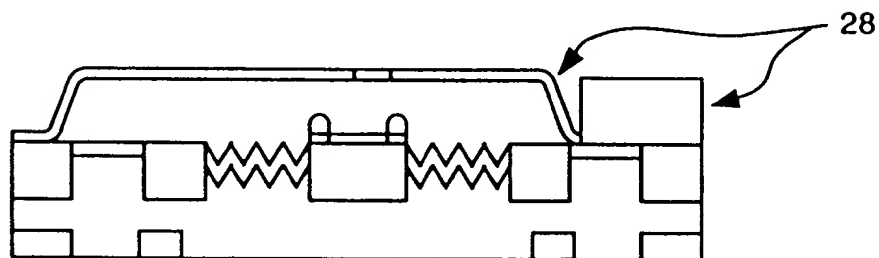


FIG. 9F

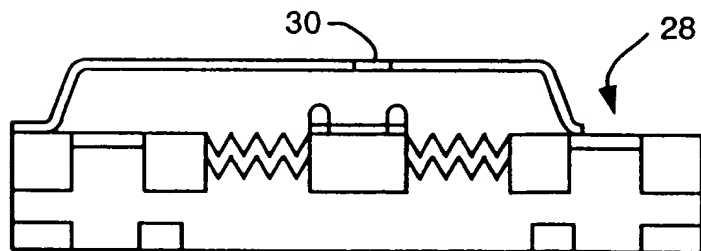


FIG. 9G



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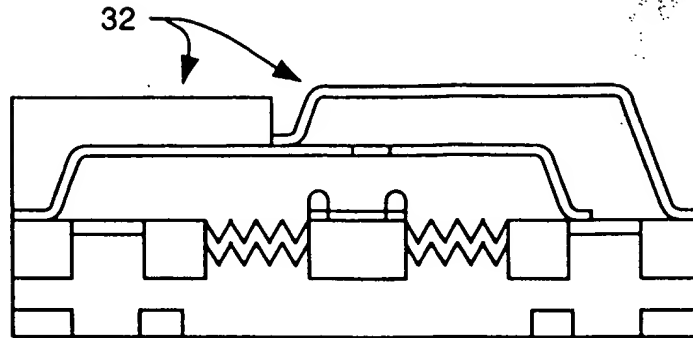


FIG. 9H

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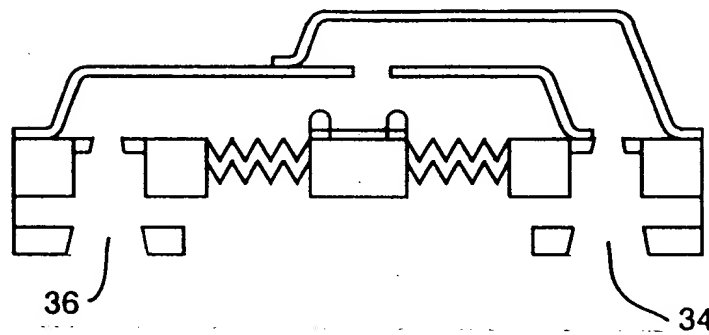


FIG. 9I

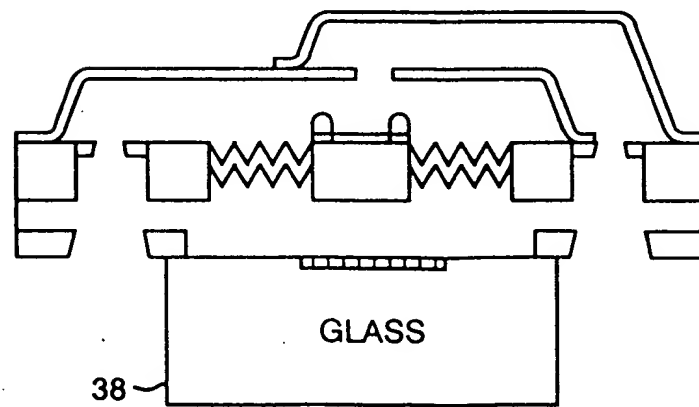


FIG. 9J



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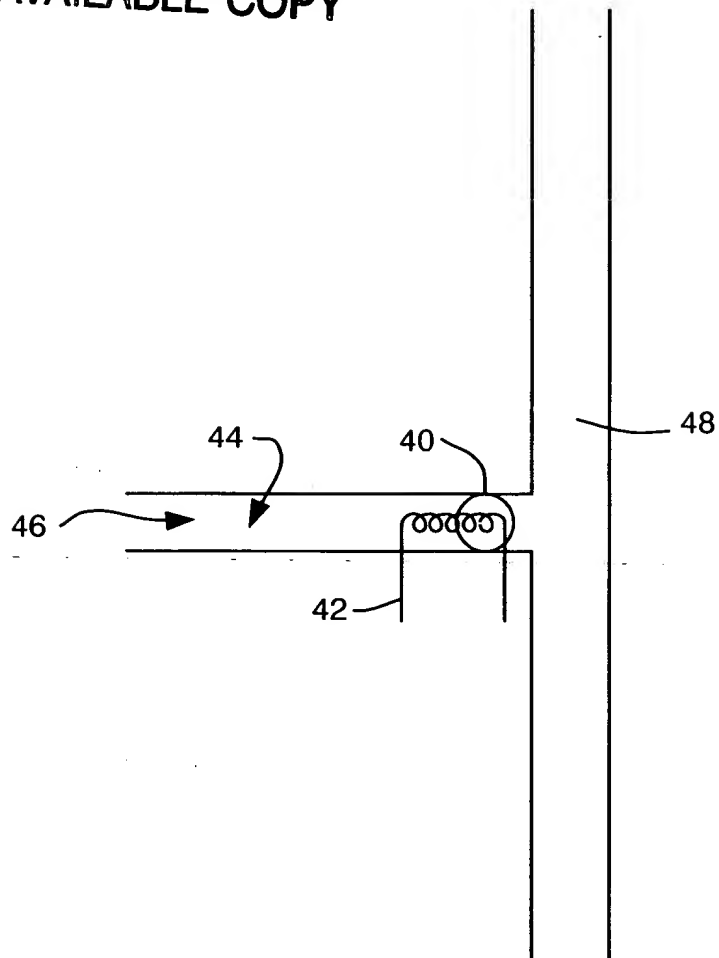


FIG. 10